



Shell Lubricants

FLEET

US\$45,562 saving achieved for transport company using Shell Rimula R4* and Shell Lube**Analyst**

Total reported annual customer saving

US\$45,562



Based in Venezuela, Transporte Cata Sirius CA operates a long haul truck fleet.

Using Shell Rimula R4, Transporte Cata Sirius CA set standard oil drain intervals across its fleet at 10,000 km, whilst the interval for other preventative maintenance actions was 12,000 km. The company wanted to achieve efficiency savings by extending the oil drain interval a further 2000 km to match other servicing requirements and turned to Shell for a solution.

Shell recommended to use the oil condition monitoring system Shell Lube**Analyst** to assess engine wear and lubricant performance specific to the customers operating situation. Data confirmed that Shell Rimula R4* still delivered high level performance at an extended oil drain level. This enabled significant operational efficiencies and cost savings estimated at US\$45,562 per year.

Company: Transporte Cata Sirius CA
Country: Venezuela
Application: Diesel engine
Saving: US\$45,562 total reported annual customer savings
Key edges: Shell Rimula R4 15W-40*, Shell Lube**Analyst**

CTO006

* Shell Rimula R4 15W-40 is the new name for the Shell Lubricant formerly known as Shell Rimula Super 15W-40

DESIGNED TO MEET CHALLENGES





1 The Challenge:

The customer's goal was to increase oil drain intervals to match other preventative maintenance actions. Undertaking both at the same time would increase in-service availability of its truck fleet.

Specialist technical data and used engine oil analysis would be required to prove that an extension to the oil drain interval of 2,000 km could be achieved without risk to engine integrity.

3 The Outcome:

With the expertise of Shell technicians using Shell LubeAnalyst to evaluate engine wear and oil performance, the customer was able to safely extend oil drain intervals by 2,000 km without risk to engine integrity. Savings resulted from:

- Reduced oil consumption
- Reduced filter consumption
- Reduced oil disposal costs

2 The Solution:

Shell Rimula R4* is widely used throughout the fleet truck industry and proven in many situations to deliver high level engine wear protection in excess of 10,000 km duration. Using Shell LubeAnalyst, it was possible to accurately evaluate the potential to safely extend oil drain intervals by the required 2000 km in the customer's own engine units and specific operating conditions

4 The Value:

With the support of Shell, the customer was able to benefit through the combined application of a quality lubricant and expert technical assistance. As a result of safely extending the oil drain interval by 2,000 km, it was possible to streamline the planned maintenance schedule and achieve significant savings calculated at US\$45,562 per year.

The savings indicated are specific to the calculation date and site. These calculations may vary from site to site depending on application, operating conditions, current products being used, condition of the equipment and maintenance practices.

Shell Rimula R4*

Product description

Shell Rimula R4* Energised Protection oil uses exclusive combinations of the latest high performance additives to ensure that the oil adapts and protects under the full range of pressures and temperatures found in modern engines – from the high temperatures in the pistons, to the extreme loads found in the valve-trains. Featuring extra-active additives to control and sweep away harmful soot and particles found in high performance engines, it delivers excellent soot and viscosity control, outstanding protection against wear and exceptional versatility – one oil for fleets with multiple engine makes.



Performance features and benefits

Outstanding Protection

Featuring an exclusive additive system to ensure maximum soot handling, Shell Rimula R4* delivers excellent wear protection and long oil life in Euro 3, US 2002 and other advanced engines.

Demonstrated Performance for All Applications

Shell Rimula R4* has been tested and proven in real-life applications, from severe duty operation in mining and construction operations to heavy-duty haulage in some of the world's most severe environments.

Improved Engine Cleanliness

The exclusive additive system delivers improved engine cleanliness and protection against piston deposits allowing Shell Rimula R4* to exceed the demanding requirements of most OEMs

Main applications

Severe duty heavy-duty diesel engines

Shell Rimula R4* provides demonstrated protection and performance in the latest high power heavy-duty diesel engines from Europe, US and Japanese manufacturers in both on-highway and off-highway applications.

High Technology Low Emission Engines

Shell Rimula R4* is suitable for most modern low emission engines meeting Euro 4, 3, 2, and US 2002 emission requirements. For the latest low emissions engines especially those fitted with exhaust diesel particulate traps (DPF), we recommend the use of our low emissions products, Shell Rimula R4 L or Shell Rimula R6 LM/LME

Specifications, approvals and recommendations

API CI-4, CG-4, CF-4, CF; ACEA E7, E5;
Global DHD-1, Cummins CES 20071, 72, 76, 77, 78;
Cat ECF-1-A; DDC 93K215; Mack EO-M, EO-M+;
MAN 3275; MB Approval 228.3; Renault Trucks RLD-2; Volvo VDS-3

Complementary products

Equipment	Lubricants
Diesel Engine Oils	Shell Rimula
Axle Oils	Shell Spirax A/AX
Gear Oils	Shell Spirax G/GX
ATFs	Shell Donax TA, Rimula R6 LM, Retina HDX
Greases	Shell Retinax HD

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